

CLAIMS

1. An apparatus for moulding an article made of thermosetting and thermoplastic material, comprising:

5 - a first and a second half-mould provided with
respective compression moulding surfaces able to
compress between them at least one plate of mouldable
thermosetting material, and

10 - at least one injection moulding area
communicating with at least one of said compression
moulding surfaces,

15 - spacer means provided in said injection moulding
area and positioned in such a way as to prevent said
plate from penetrating into said injection moulding
area when it is compressed between said compression
moulding surfaces.

2. An apparatus as claimed in claim 1, wherein
said spacer means are integral with one of said half-
moulds and project from at least one surface of said
injection moulding area.

20 3. An apparatus as claimed in claim 1, wherein
said spacer means comprise a plurality of pin-shaped
elements projecting from a bottom surface of said
injection moulding area.

25 4. An apparatus as claimed in claim 3, wherein
said pin-shaped projecting elements have respective
support surfaces destined to come in contact with a
surface of said plate.

5. A method for moulding an article made of
thermosetting material, comprising the steps of:

30 - compressing a plate of mouldable thermosetting
material between two mutually opposite moulding
surfaces,

35 - providing at least one injection moulding area
communicating with at least one of said moulding
surfaces, and

- injecting plastic material in contact with a surface portion of said plate into said injection moulding area,

5 - providing spacer means in said injection moulding area, positioned in such a way as to prevent the penetration of said plate into said injection moulding area.

6. A method as claimed in claim 5, comprising the step of heating said plate in contact with said half-shells until reaching a polymerisation temperature of
10 the plastic material constituting said plate.

7. A method as claimed in claim 6, comprising the step of heating the thermoplastic material before its injection into the aforesaid injection moulding area
15 and cooling said thermoplastic material in contact with said half-moulds down to a temperature of partial hardening.